

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11354 - L2 Version 2
Chandra X-Ray Center

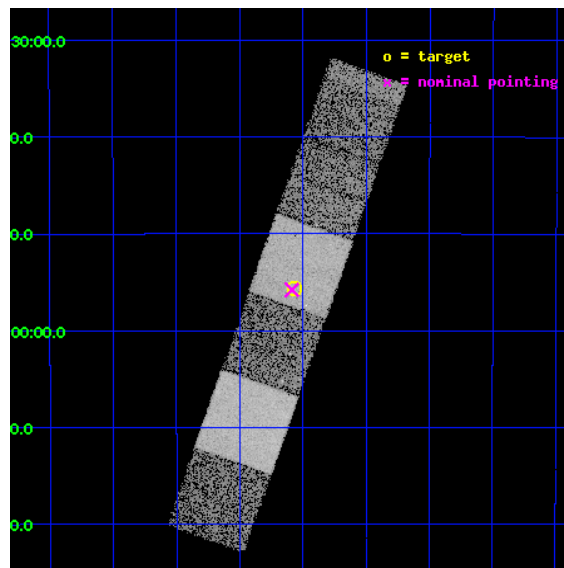
L2 Processing Date : Jun 18 2012

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1 Front

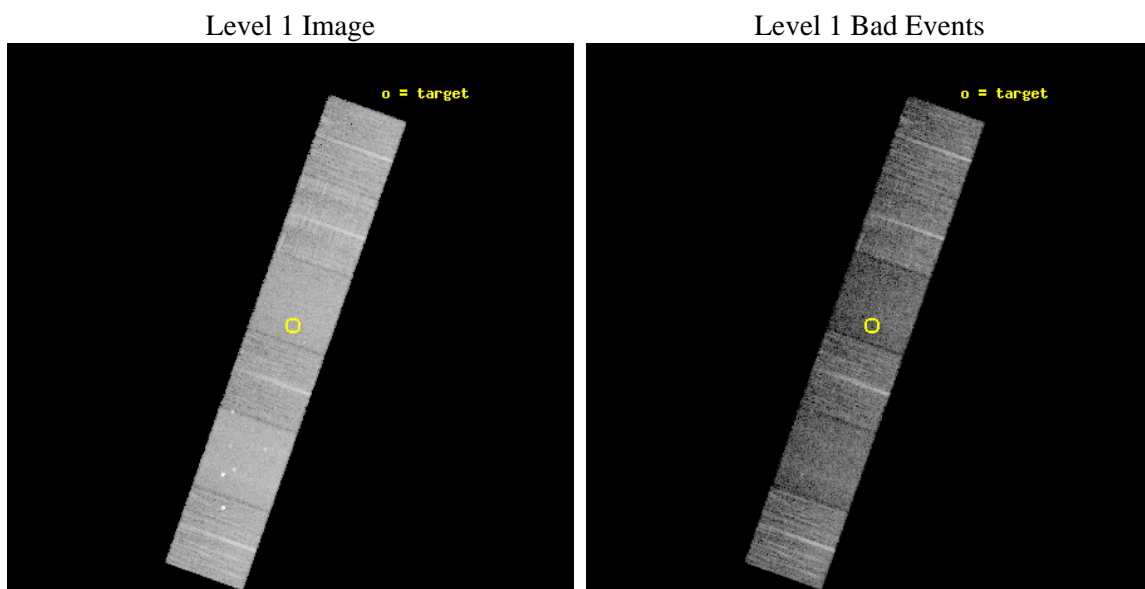
seq_num	600873	Sequence number
obs_id	11354	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	PGC132768	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	5.7675	Observer's specified target RA [deg]
dec_targ	-27.92703	Observer's specified target Dec [deg]
ra_nom	5.7717342596045	Nominal RA [deg]
dec_nom	-27.93003759519	Nominal Dec [deg]
roll_nom	289.48822840419	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6665.5999752283	Sum of GTIs [s]
liveltime	6581.1961347995	Livetime [s]
ontime4	6662.3589549065	Sum of GTIs [s]
ontime5	6665.5999752283	Sum of GTIs [s]
ontime6	6665.5999752283	Sum of GTIs [s]
ontime7	6665.5999752283	Sum of GTIs [s]
ontime8	6665.5999752283	Sum of GTIs [s]
ontime9	6665.5999752283	Sum of GTIs [s]
l2events	91337	Number of level 2 events



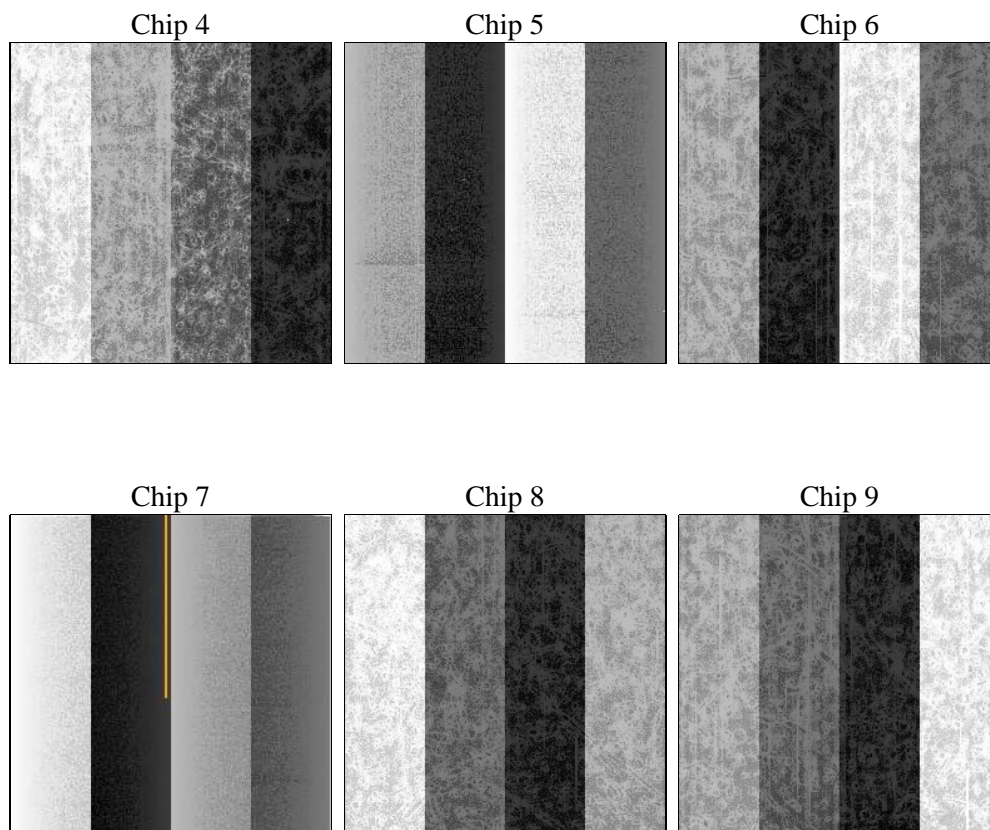
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	6665.5999752283	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	6662.3589549065	Sum of GTIs [s]
date	2012-06-18T20:15:50	Date and time of file creation	ontime5	6665.5999752283	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	6665.5999752283	Sum of GTIs [s]
			ontime7	6665.5999752283	Sum of GTIs [s]
			ontime8	6665.5999752283	Sum of GTIs [s]
			ontime9	6665.5999752283	Sum of GTIs [s]
			l1events	424672	Number of level 1 events

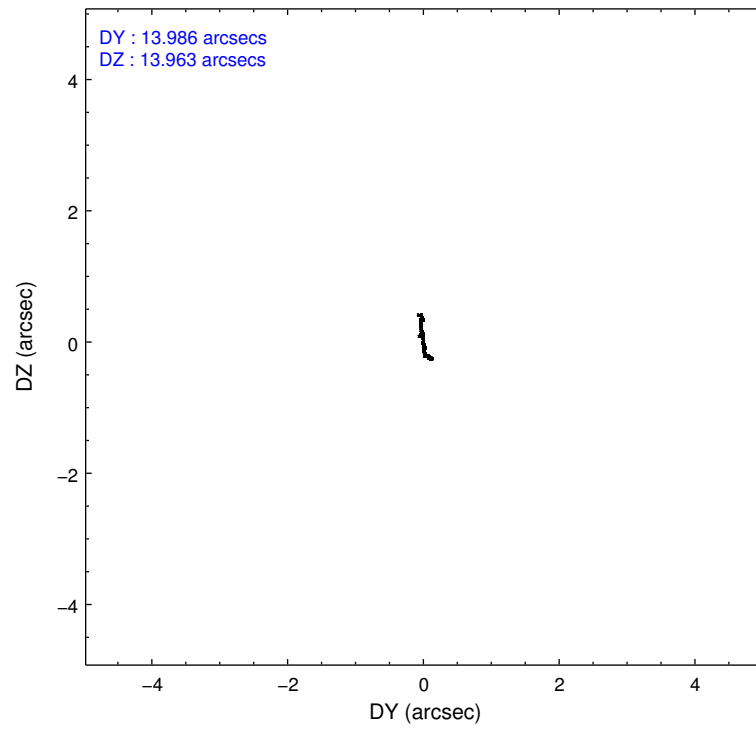
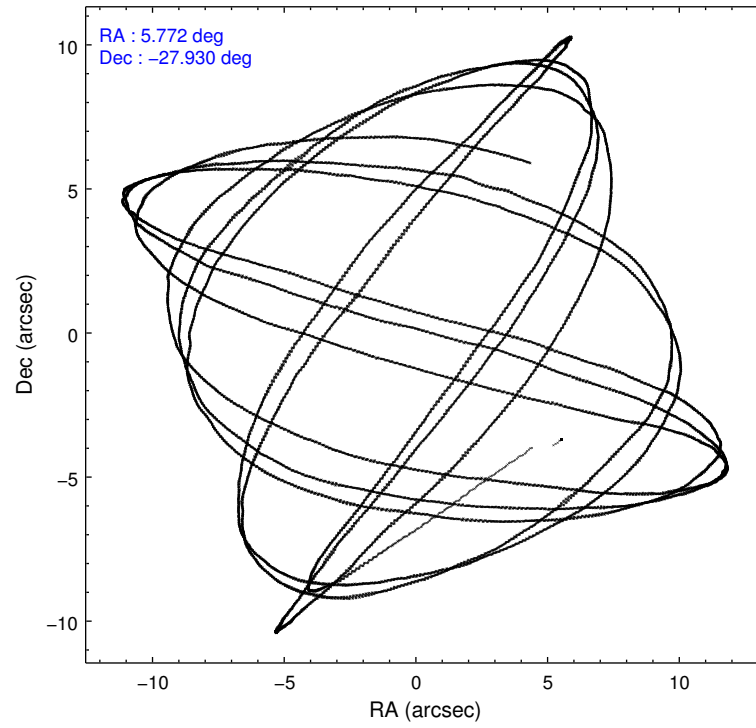
2.1.4 Events

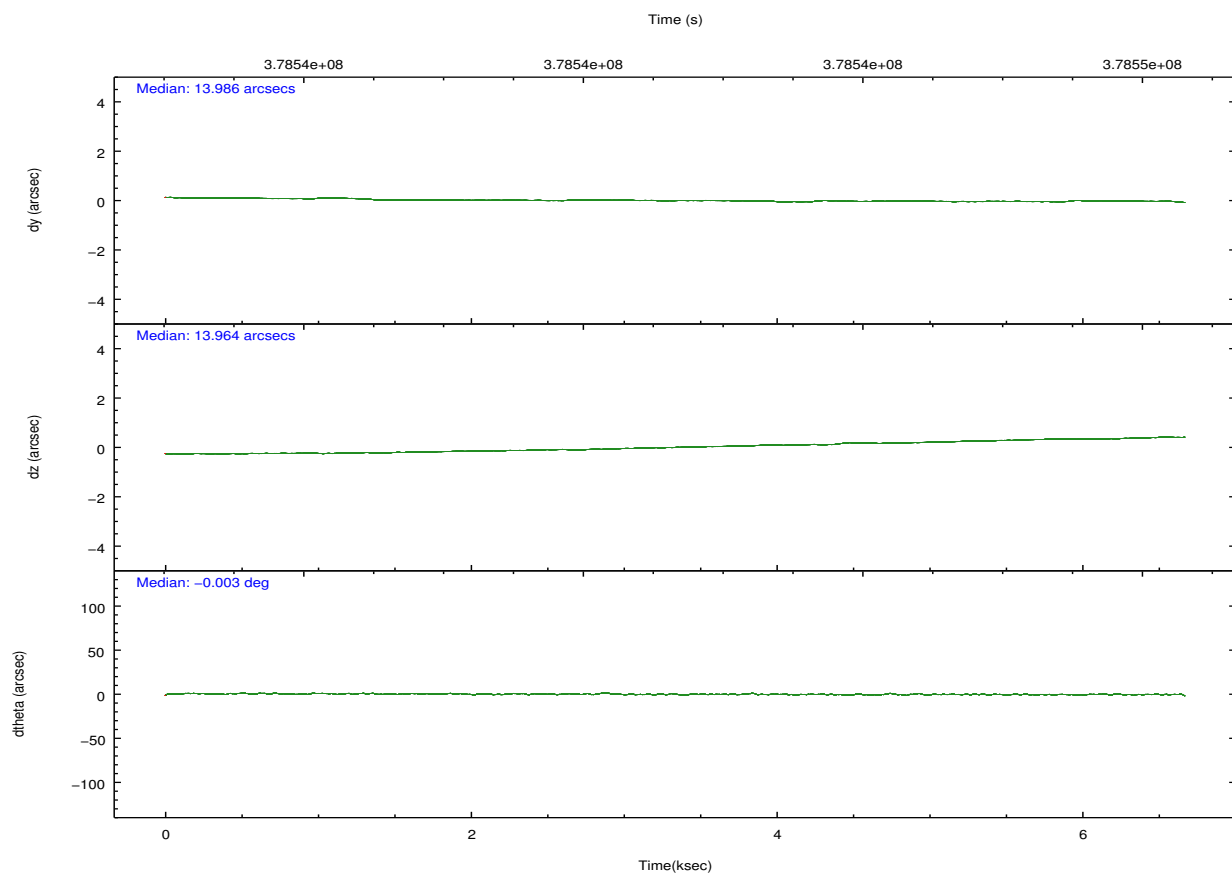
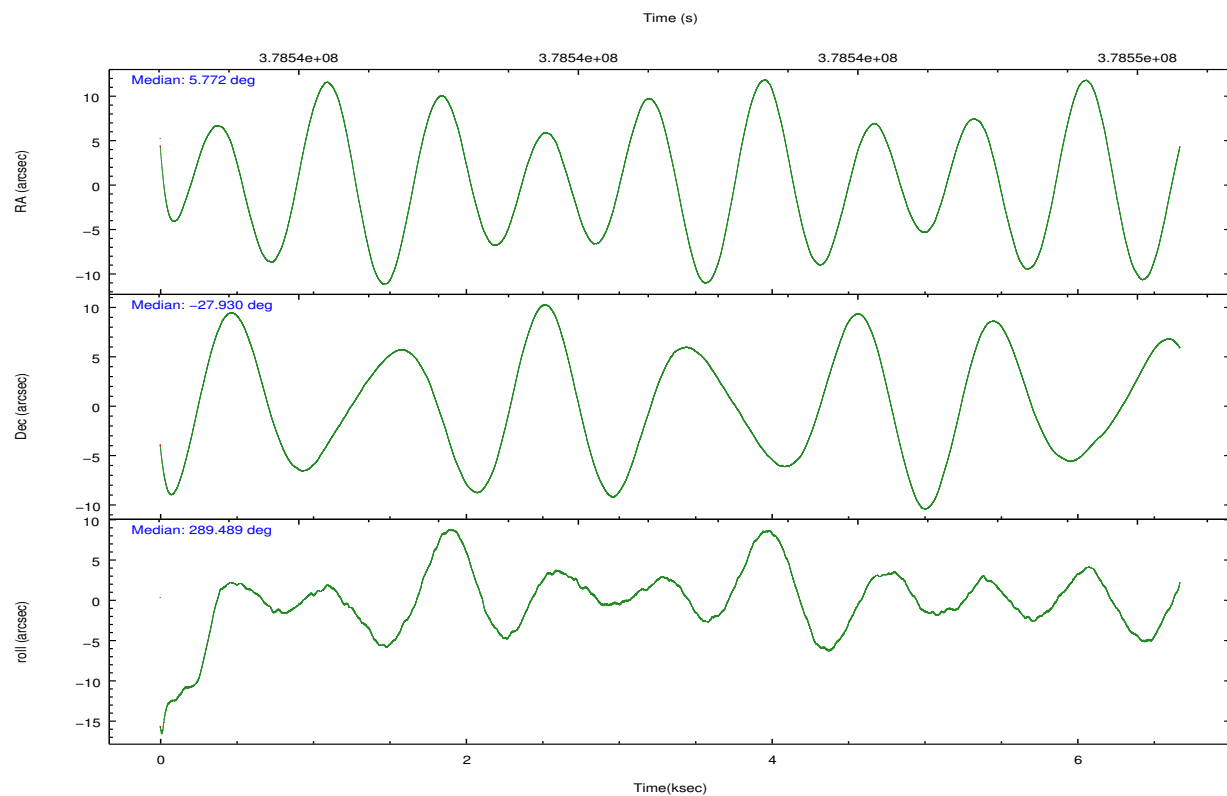
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	71934	86139	58422	68321	77422	62434	grade 0 events	3769	4562	2276	2872	5262	2365
rejected events	64303	43568	52119	37468	58782	55785		5%	5%	3%	4%	6%	3%
rejected %	89%	50%	89%	54%	75%	89%	grade 1 events	91	294	28	81	58	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	1520	12958	1389	6326	4403	1450
								2%	15%	2%	9%	5%	2%
							grade 3 events	687	1524	655	2671	2016	722
								0%	1%	1%	3%	2%	1%
							grade 4 events	637	1502	663	2693	1965	718
								0%	1%	1%	3%	2%	1%
							grade 5 events	2401	6422	2419	7021	3812	2710
								3%	7%	4%	10%	4%	4%
							grade 6 events	1074	22385	1369	16511	5108	1446
								1%	25%	2%	24%	6%	2%
							grade 7 events	61755	36492	49623	30146	54798	52986
								85%	42%	84%	44%	70%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	5.747979	5.771734259604486	CCD I2 on	N	N
[deg] Pointing Dec	-27.912590	-27.93003759519	CCD I3 on	N	N
[deg] Pointing Roll	289.320507	289.4882284041926	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	378539496.184000	378538401.41647	CCD S5 on	O2	Y
Observation start date	2009-12-30T05:50:30	2009-12-30T05:33:21	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378545996.184000	378546650.61689	On-chip summing requested	N	N
Observation end date	2009-12-30T07:38:50	2009-12-30T07:50:50	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



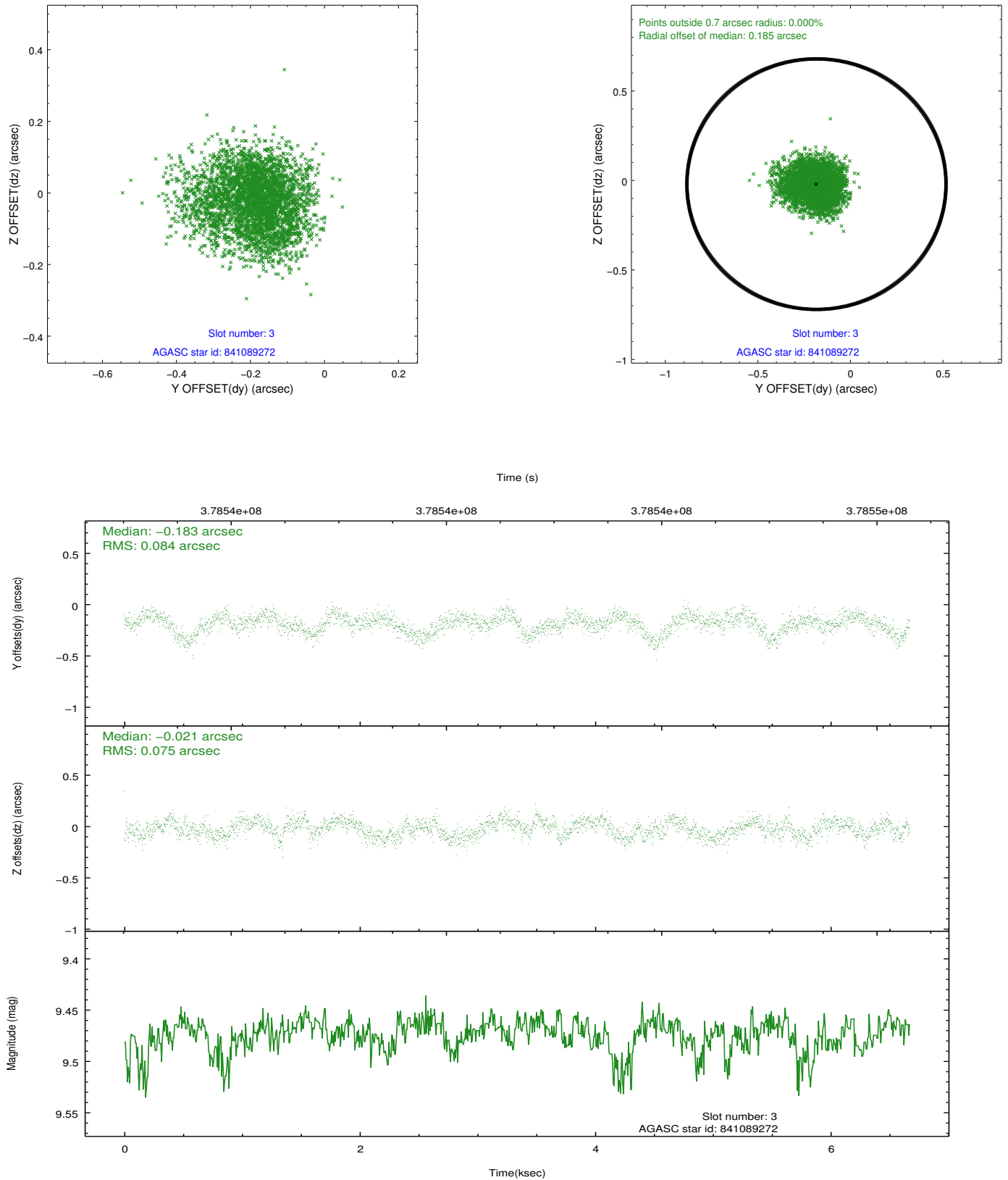


Slot Statistics

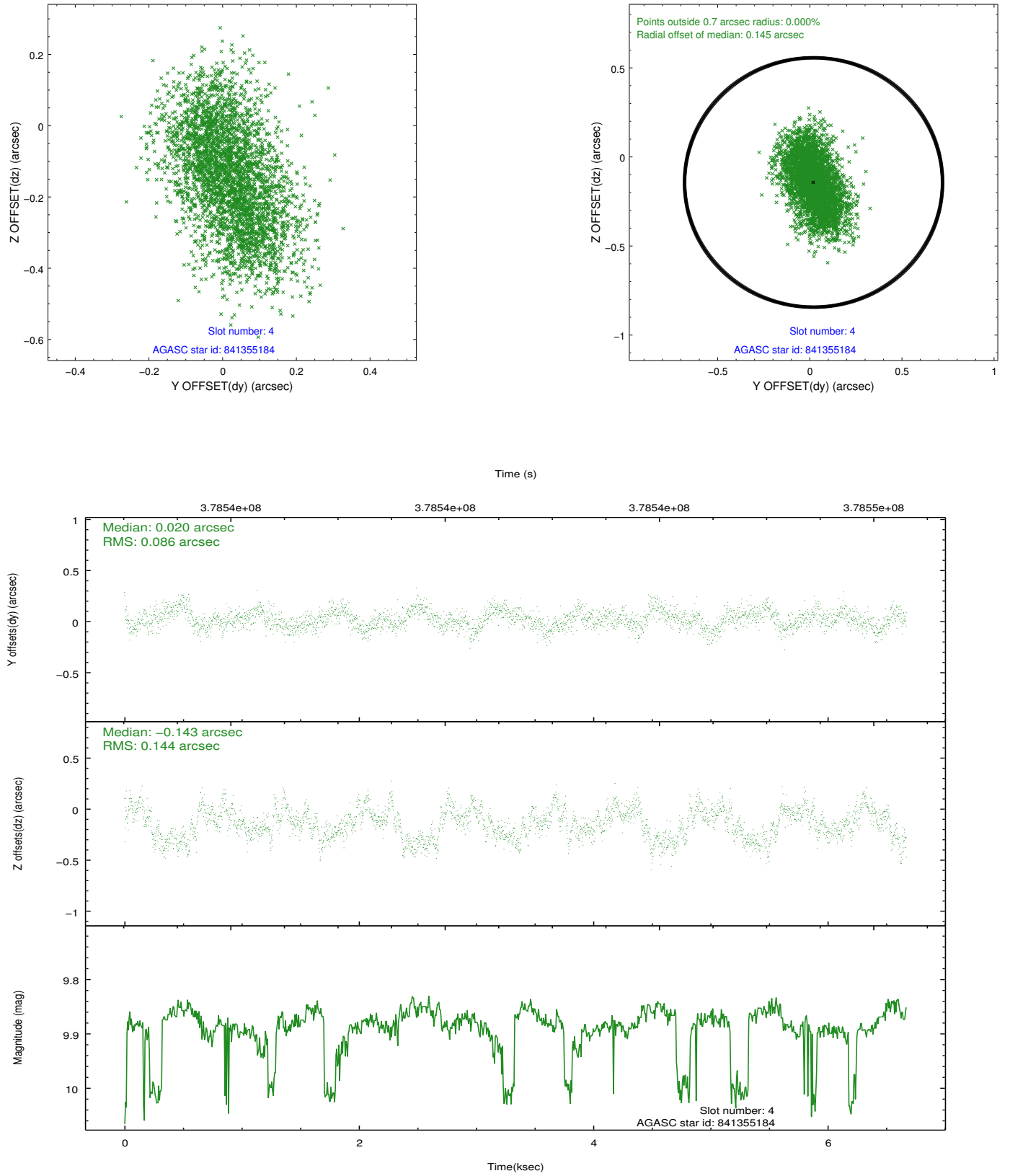
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.00	1628	-0.105	-0.061	0.005	0.009	0.000000	0.000000	-767.06	-1735.39
1	FID	ACIS-S-4	7.08	1628	0.105	0.062	0.006	0.010	0.000000	0.000000	2146.05	172.28
2	FID	ACIS-S-6	7.22	1628	-0.028	0.006	0.007	0.012	0.000000	0.000000	396.14	810.63
3	GUIDE	841089272	9.47	3254	-0.183	-0.021	0.122	0.191	5.995615	-27.412853	-1434.97	1342.01
4	GUIDE	841355184	9.88	3225	0.020	-0.143	0.180	0.293	4.968971	-27.657507	-1680.80	-2042.78
5	GUIDE	841482648	9.32	3252	0.150	-0.094	0.104	0.175	6.130840	-28.415477	2111.31	544.06
6	GUIDE	841489712	8.89	3251	0.053	0.118	0.142	0.221	6.492911	-28.273488	2015.89	1798.13
7	GUIDE	840959504	9.49	3250	-0.039	0.170	0.135	0.208	5.455254	-27.341468	-2247.94	-202.55

2.4 Star Slots

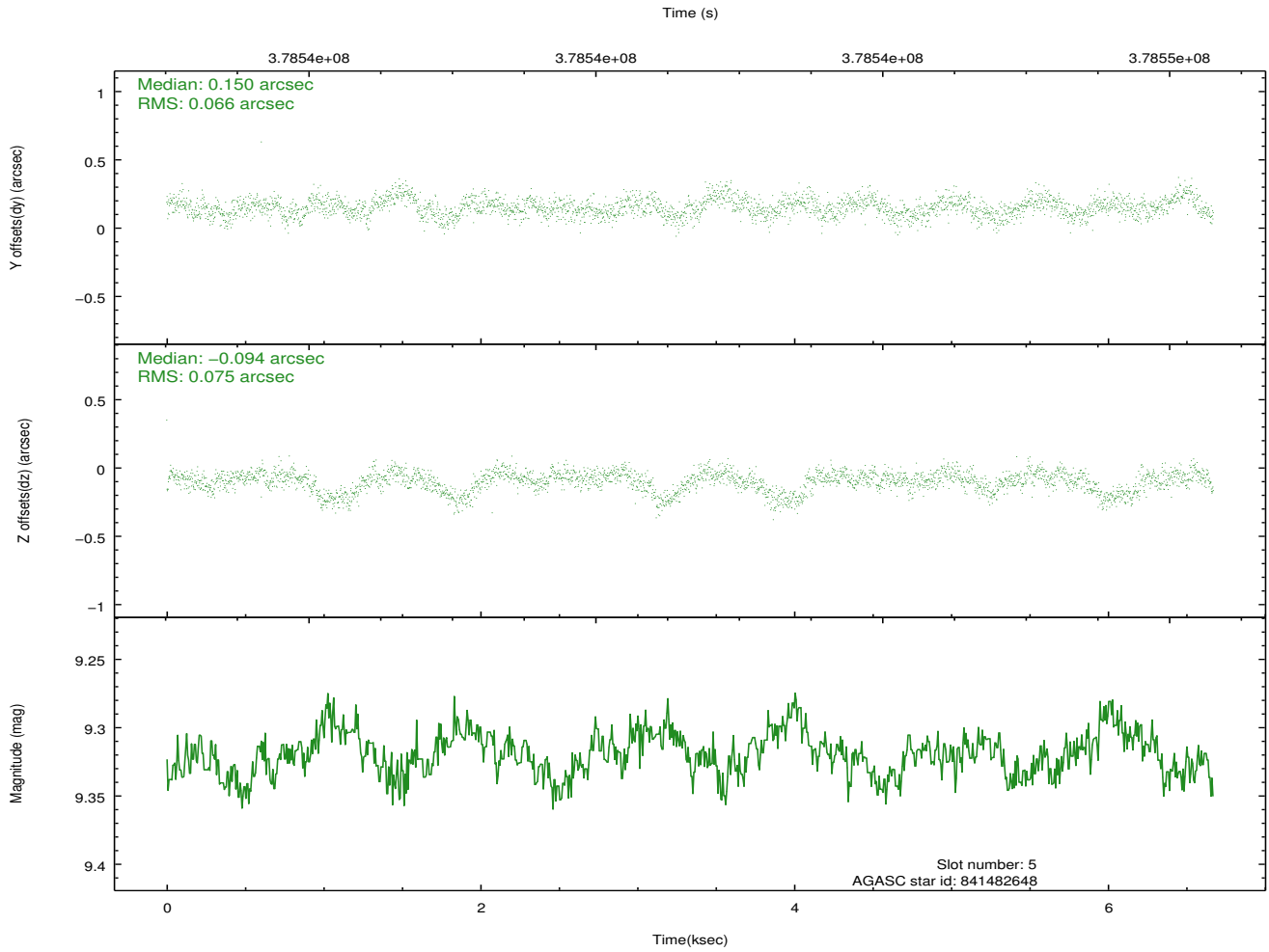
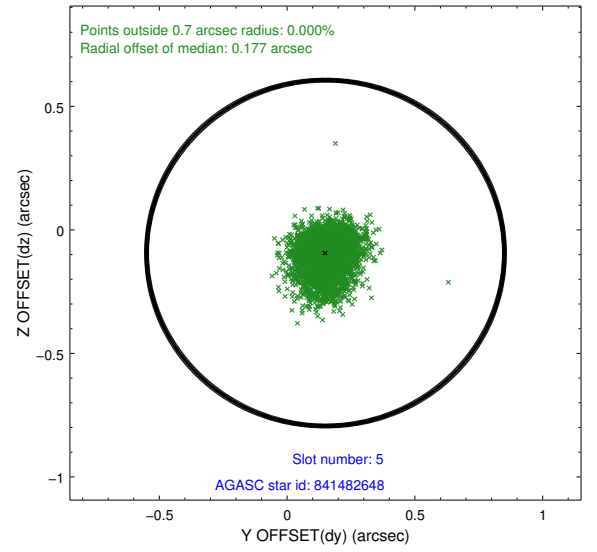
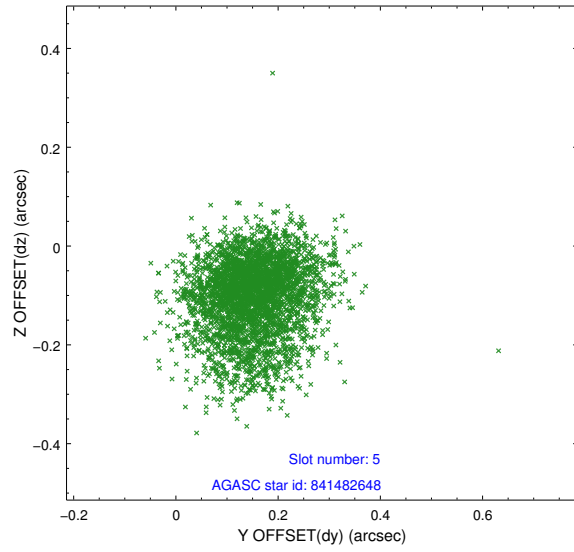
2.4.1 Slot 3



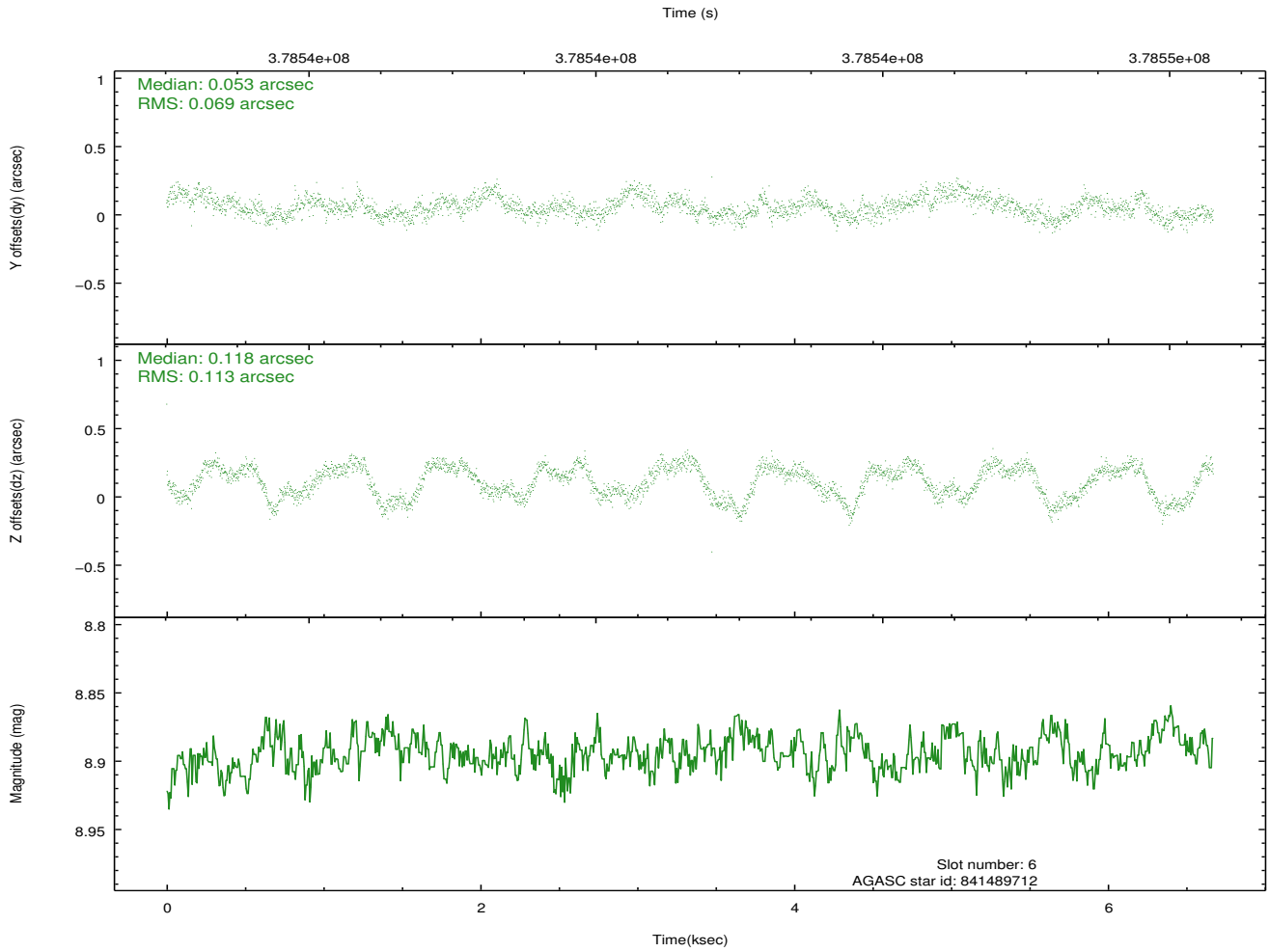
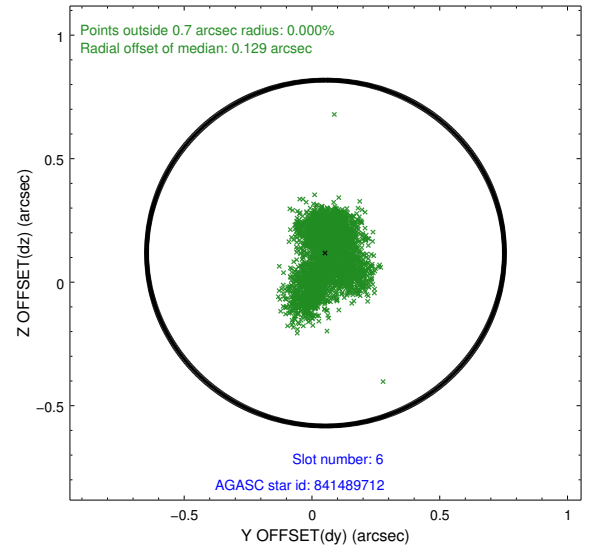
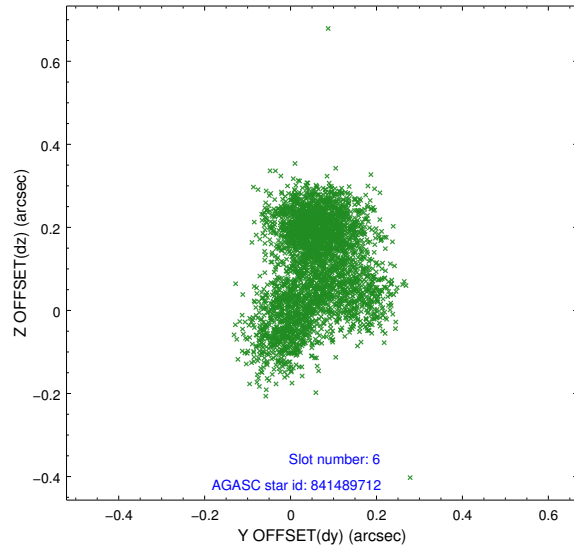
2.4.2 Slot 4



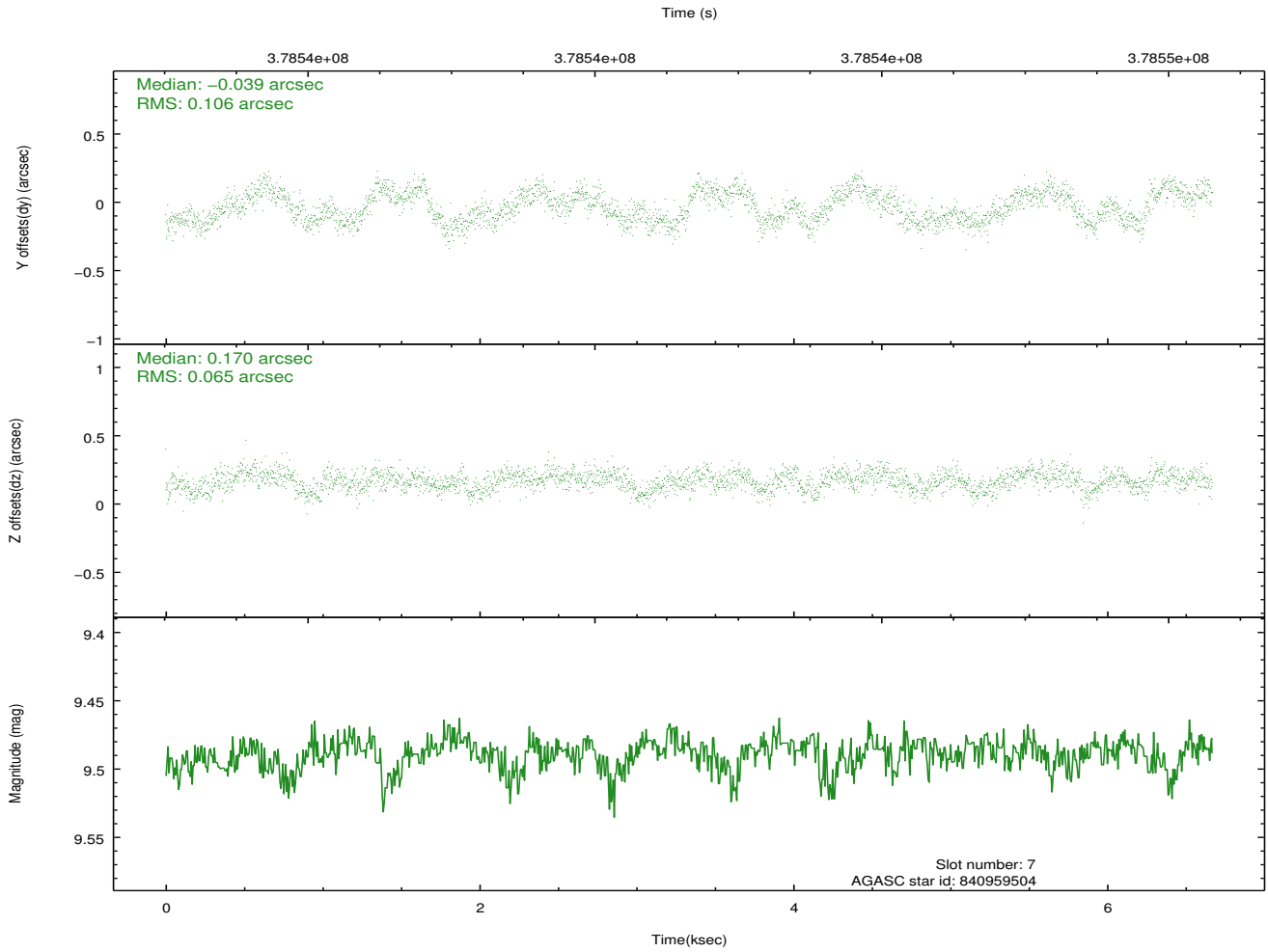
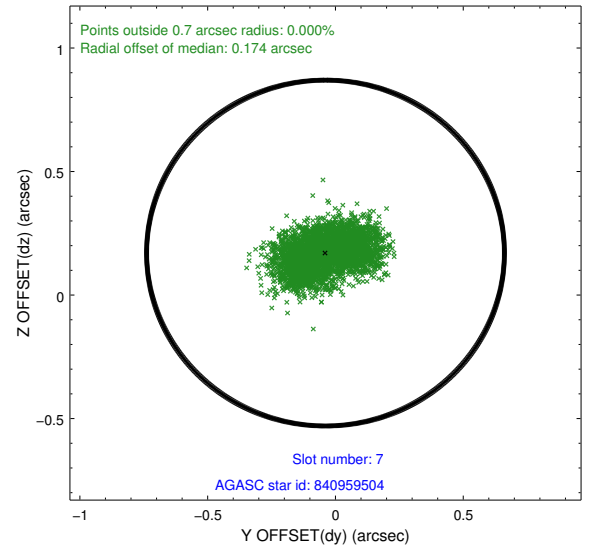
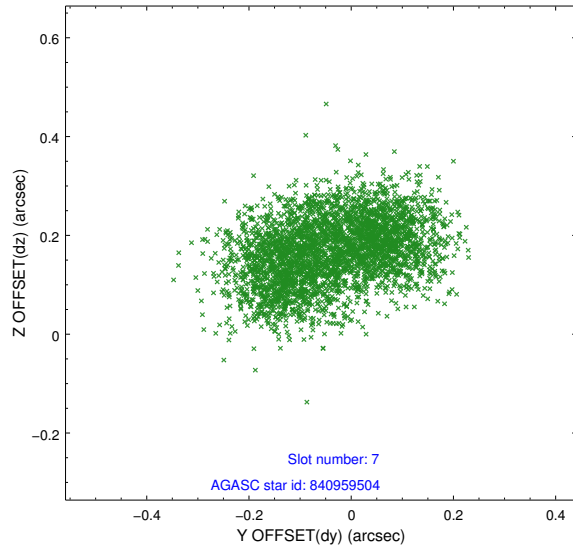
2.4.3 Slot 5



2.4.4 Slot 6

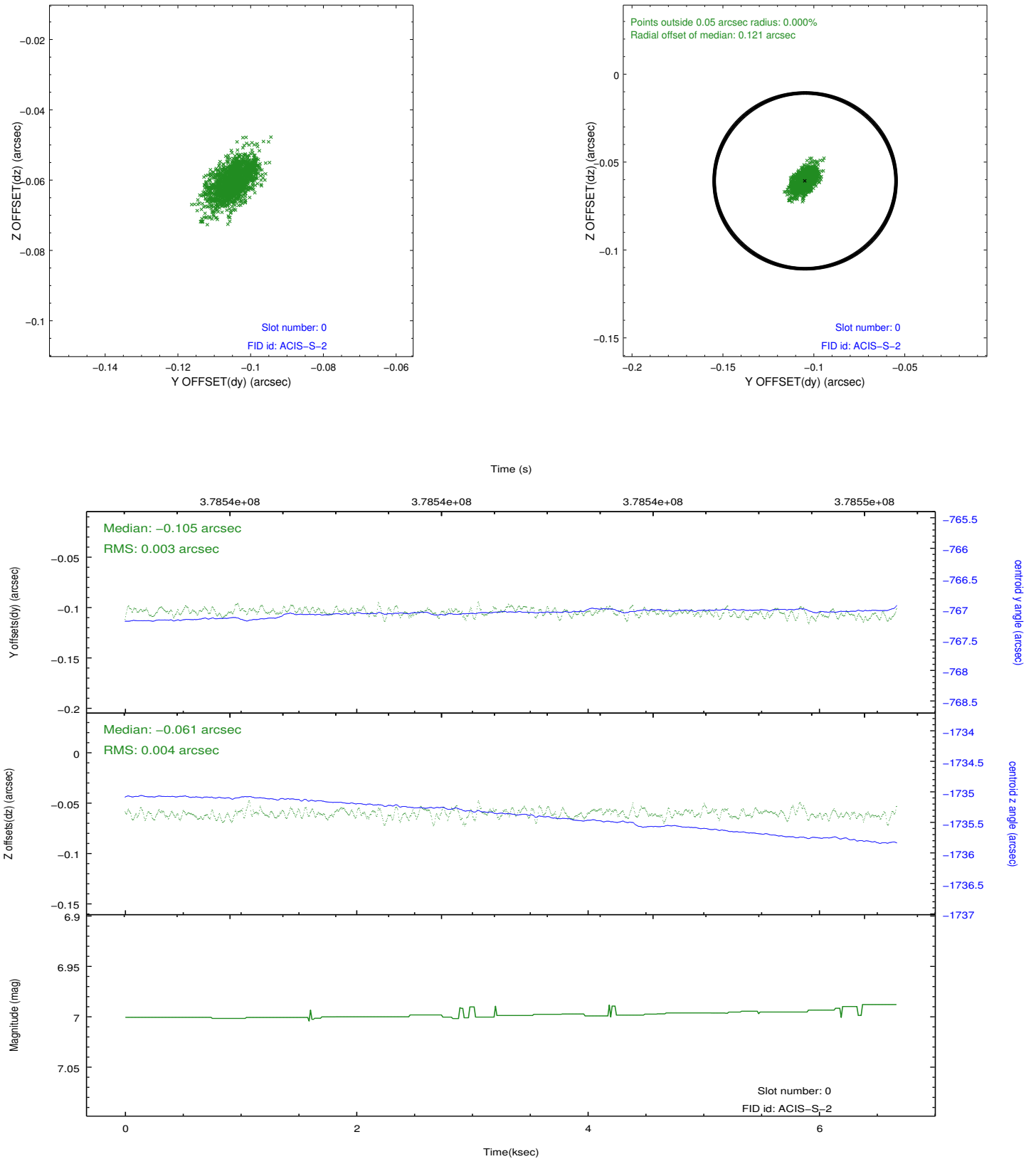


2.4.5 Slot 7

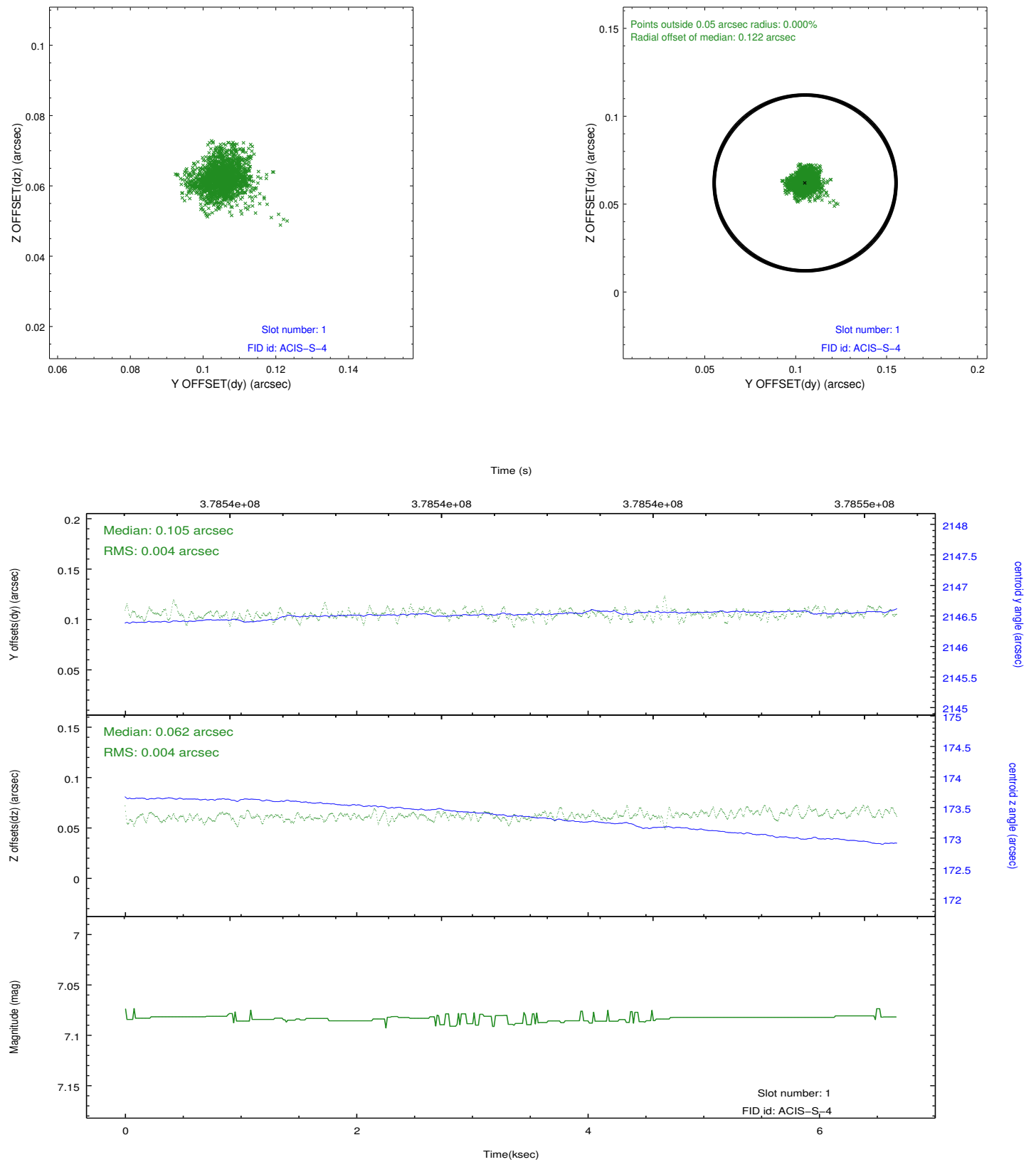


2.5 FID Slots

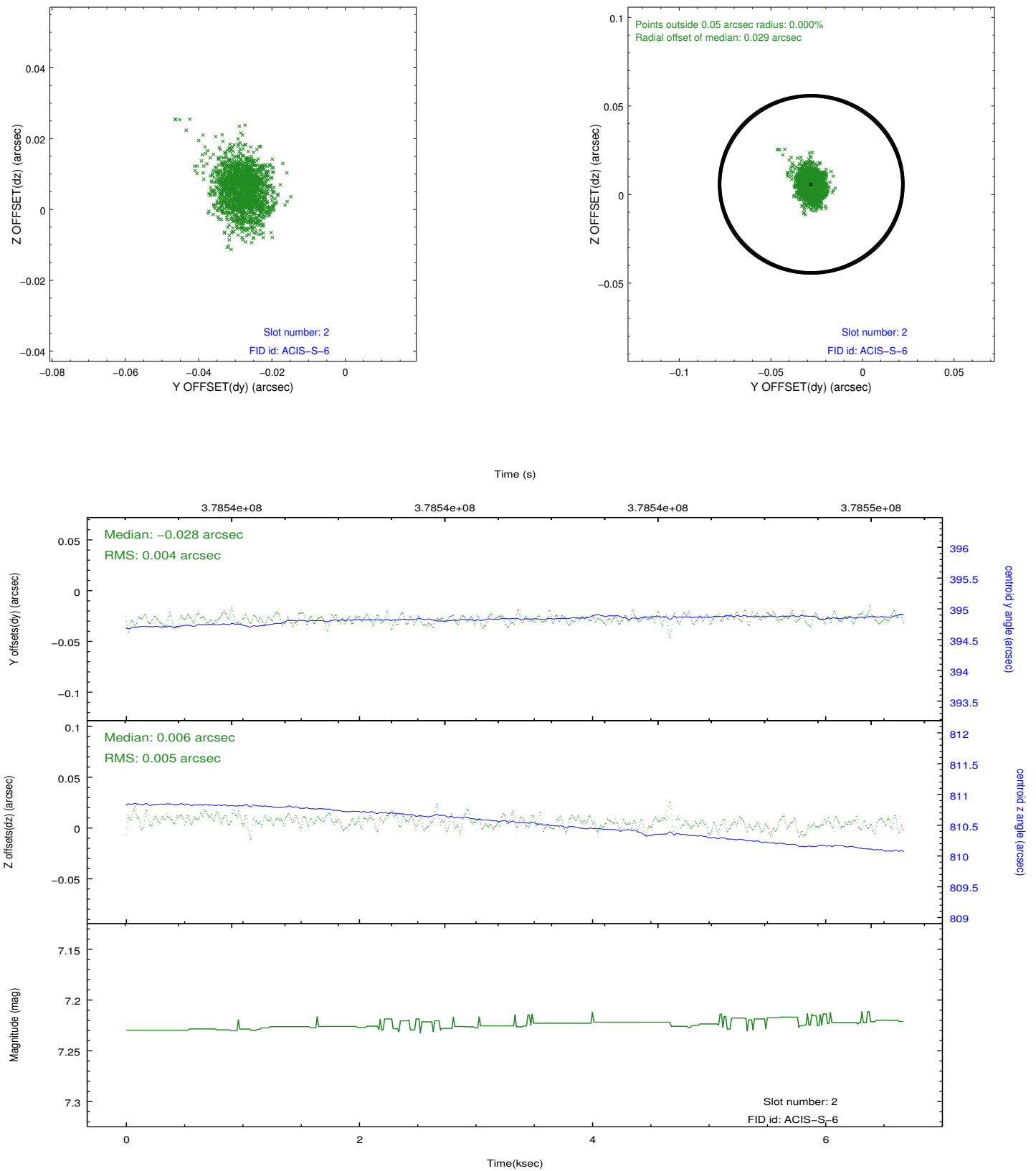
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.6655999752283

A.2 Comments